

SSM focus on Sustainability



SSM SCHÄRER SCHWEITER METTLER AG

Swissmem Pre-ITMA 2023 Press Conference, Bern, Switzerland

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Focus on Sustainability

SSM embodies sustainability

- Reducing waste, maximizing yield
- Energy efficient solutions, fewer resources required
- Superior lifetime of machines and spare parts
- Longevity concept of upgrades and retrofits for products
- Flexible machine concepts, serving maximum amount of applications
- Compact and optimized footprint, less construction/building management required (air management, cooling, heating, cleaning, etc.)
- Nema (IoT) solution for controlling and managing production (optimization means less energy consumption, less waste and increased machine efficiency)



Focus on Sustainability

Introduction of the latest products and services at ITMA Milano 2023

- NEO-FW
- NEO-FD
- Nema – SSM Digital Suite



Focus on Sustainability

SSM NEO-FW precision package winder

- Worldwide market introduction at ITMA Milano 2023
- Outstanding advantages:
 - Automatic doffer
 - Increased speed by 25%
 - Most accurate length measuring ($\pm 0.5\%$)
 - Quick take-up change
 - *digitens* – yarn tension control
 - *fastflex* – electronic yarn laying unit
 - DIGICONE 2 advanced winding algorithm
 - Nema ready



Focus on Sustainability

SSM NEO-FD precision assembly winder

- Worldwide market introduction at ITMA Milano 2023
- Outstanding advantages:
 - Automatic doffer – maximizing productivity
 - Increased speed by 25 %
 - Most accurate length measuring ($\pm 0.5\%$)
 - Quick take-up change
 - *digitens* – yarn tension control
 - *fastflex* – electronic yarn laying unit
 - Integrated 2- or 3-ply creel
 - Nema ready



Focus on Sustainability

Nema – SSM digital suite

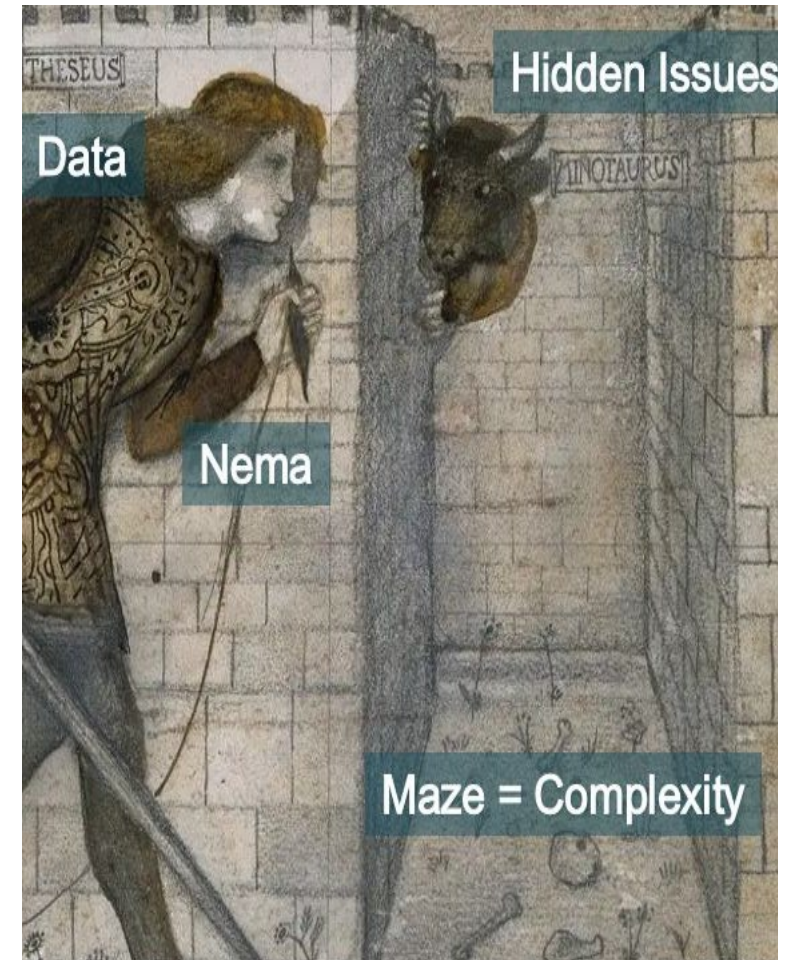
- Real-time insights provide transparency of the process performance
- Stay in control easily – navigating from global overview to local insights within seconds
- Engage key people with unlimited user access
- Ensure optimized machine operation with machine health indicators
- Enjoy secure connection and safe data storage with state-of-the-art technology
- Connect to other MES or ERP systems with download event function



Focus on Sustainability

Did you know - the meaning of Nema

- Nema is the Greek word for thread. Besides its use in textiles, a thread is used to achieve the connection between two or more points. This connection can be physical, or logical.
- In Greek mythology, Minotaur was a creature that was impossible to tame, so it had to be locked in a maze forever.
- No one who entered the maze was able to come out because of its complex architecture.
- An Athenian hero called Theseus was able to defeat the Minotaur and come out of the maze with the help of Nema (ball of thread) which was tied at the entry of the maze.
- **Nema, the Digital Suite of SSM, helps SSM customers navigate through complexity, uncover hidden issues and find the path to manufacturing excellence.**



ITMA 2023 – Invitation Unveiling Event

You are cordially invited to join the unveiling event where we will present for the first time ever key technology highlights:

Date: Thursday, June 8, 2023

Time: 10:00 a.m.

Place: Booth H1-C206

Topics:

- Innovative solutions supporting technology leadership
- Focus on cost per kg yarn: raw material, energy consumption, automation
- System integration through digitization
- Recycling



Three Dedicated Card Clothing Packages From the Market Leader

- For recycled cotton, for recycled cotton blends, and for recycled man-made fibers (MMF)
- Yarn counts of up to Ne 20 can be produced by limiting the short fiber content
- More specific card clothing sets for all kind of recycling application can be customized by the Graf textile technology experts



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